

ABSTRACT

A data collection device (10) reads a machine readable data storage medium
5 (38) comprising data encoded in a machine readable format. The data collection
device (10) comprising a code reading system (21), a processor (20), and a
communication module (26). The code reading system detects the data encoded in the
machine readable data storage medium (38) and generates digital data representative
thereof. The processor (20) operates an embedded decoder system (76). The
10 embedded decoder system (76) comprises a decoder module (72) and an interpreter
module (84). The decoder module (76) receives the digital data and generates
decoded data (134). The interpreter module (84) receives the decoded data (134) and
manipulating the decoded data (134) in accordance with the plurality of data
manipulation commands defined in a rules file (85) to generate formatted data (136).
15 The communication module (26) transfers the formatted data to a remote system.